



# ECO-DUCT® SEAL 44-52

**COLOR**

44-50 Red  
44-52 Gray

**SERVICE TEMPERATURE**

-20°F TO 190°F  
(-28.9°C TO 88°C)

**COVERAGE**

Approximately 50 to 75 sq. ft. per gallon.

**WEIGHT PER GALLON**

9 lbs.

**AVERAGE NONVOLATILE**

Approximately 51% by weight

MAX VOC=3.45 lbs/gal; 413 grams/liter

**BONDING TIME**

Touch: 15 minutes

Through: 48 hours

Allow at least 24 hours before pressure testing. The drying time depends on the temperature, humidity and film thickness.

**SAFETY**

Flammability:

Wet: Flash Point -4°F (-20°C)

Dry: See UL Classification

**THRESHOLD LIMIT OF SOLVENT VAPOR (TLV): 50 ppm**

**PRESSURE/SEALING CLASSES:**

Meets the requirements of all SMACNA Pressure and Seal Classes

**PRESSURE TEST:**

Tested 24 hours after (cured) sealing in conformance to recommended coverage. No leaking in excess of 31 1/2 inches water gauge.

**CAUTION: FLAMMABLE MIXTURE RED LABEL**

Do not use or store near sparks, heat or open flame. Keep container closed when not in use. Use with adequate ventilation. Avoid excessive breathing of vapor. Avoid excessive contact with skin. Do not take internally. In an emergency, call a physician. Keep out of reach of children

**ASBESTOS FREE**

**WARRANTY TERMS:** The physical and chemical properties of this product are representative of the typical average values derived in accordance with test methods deemed acceptable, and can vary when subjected to normal manufacturing methods. These values are supplied only as a technical service and are subject to change notice. To be sure information is current call Mon-Eco Industries, Inc.

**Terms of Warranty:** Warrantor, Mon-Eco Industries, Inc. warrants satisfactory results of this product only when recommendations herein established are followed. The recommendations for use are established upon tests and information deemed reliable. We recommend that adequate testing be made by the user to determine if the product is suitable for the intended purpose and use. Warrantor assumes no responsibility beyond replacement or refund of the purchase price of this product, since warrantor has no control over the methods and application of its product, methods and conditions of transportation, handling and storage of the product. **WARRANTOR EXPLICITLY DISCLAIMS ALL LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE.** No agent or representative of Mon-Eco Industries, Inc. has the authority to change or extend these conditions.

**DESCRIPTION**

Eco-Duct® Seal 44-52 is an improved sealant that is designed to seal high velocity and high pressure air handling systems. Eco-Duct® Seal 44-52 may be applied in one heavy coat or by extruding a bead. Eco-Duct® Seal 44-52 applies easily, dries quickly, adheres strongly and may be pressure tested in 24 hours under most circumstances. The non-flammable version of this product is 44-62.

**LIMITATIONS**

Apply between 0°F and 110°F (-18 °C and 43°C). Eco-Duct® Seal 44-52 is suitable for outdoors. If the sealant is going to be directly exposed to U.V. rays its service life can be extended by painting the sealant with a coat of exterior grade latex paint.

**SPECIFICATION COMPLIANCE**

NFPA 90A & 90B

U.S. Department of Agriculture chemically acceptable as a sealant for ductwork.

**METHOD OF APPLICATION**

Stiff brush, putty knife or caulking gun.

**MATERIAL PREPARATION**

Stir well if any separation occurs

**APPLICATION**

This product is for industrial use only. It should be applied by trained and qualified craftspeople. Be sure surfaces are clean, dry and oil free. Clean both male and female fittings. Apply 44-52 to the male duct piece. Assemble the fittings. Secure with screws. Apply a narrow band of 44-52 over the joint and cover all screw heads.

**CLEANUP**

Xylo, MEK, or Trichloroethylene.

**UNDERWRITERS LABORATORIES, INC.  
CLASSIFIED ADHESIVE  
SURFACE BURNING CHARACTERISTICS**

66 H 9

R10070 Applied to Inorganic Reinforced Cement Board

	CNC	USC
Flame Spread	5	10
Smoke Developed	0	0

Tested as applied in 3/8 in. (.95cm) wide beads,  
12 in. (.3m) on center at a coverage rate of  
30 Sq. Ft./Gal. (2.5 m<sup>2</sup>/L.)

Flash point of finished adhesive (closed cup) less than -20°C

03/12

**MON-ECO INDUSTRIES, INC.**

5 JOANNA COURT • EAST BRUNSWICK, NJ 08816  
(732) 257-7942 • 800-899-6326 • FAX (732) 257-6525

[www.mon-ecoindustries.com](http://www.mon-ecoindustries.com)

